

Iten Industries

Radiolucent X-Ray Panel Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:			
		Lengthwise D638	22,900 psi
		Crosswise	15,200 psi
Flexural Strength:	Condition A	Lengthwise D790	32,900 psi
	Condition A	Crosswise	25,600 psi
	D48/50	Lengthwise	24,800 psi
	D48/50	Crosswise	18,800 psi
Compressive Strength:			
		Lengthwise D695	19,400 psi
		Crosswise	17,200 psi
Izod Impact (notched):	Condition A	Lengthwise D256	0.64 ft.lb./in.
	Condition A	Crosswise	0.51 ft.lb./in.
	D48/50	Lengthwise	0.93 ft.lb./in.
	D48/50	Crosswise D256	0.89 ft.lb./in.
	E48/50	Lengthwise	0.67 ft.lb./in.
	E48/50	Crosswise	0.50 ft.lb./in.
Water Absorption		D570	1.96% of weight
Specific Gravity		D792	1.42
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	314+ Vpm
Dielectric Breakdown:	Condition A	D149	65.0 kV
	D48/50		4.5 kV
Arc Resistance:	Condition A	D495	49 seconds
	D48/50		12.1 seconds
Permittivity, 1MHz:	Condition A	D150	4.88
	D24/23		5.80
Dissipation Factor, 1MHz:	Condition A	D150	0.0426
	D24/23		0.0627
Permittivity, 1KHz:	Condition A	D150	5.99
	D24/23		9.20
Dissipation Factor, 1KHz:	Condition A	D150	0.0993
	D24/23		0.3119

Standard Sheet sizes are 36" x 48", 48" x 48", 48" x 72", & 48" x 96"

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All values are average test results from typical production material. No warranty is implied or guaranteed and testing is recommended for each application.

www.itenindustries.com

Imageneering with Plastics

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